



STANDARD STRAIGHT BAR

BAR SIZE	* LOCATION CATEGORY		
	A	B	C
#4	1'-9"	1'-3"	1'-0"
#5	2'-2"	1'-6"	1'-3"
#6	2'-7"	1'-10"	1'-6"
#7	3'-0"	Does Not Exist	1'-9"
#8	3'-11"		2'-3"
#9	5'-0"		2'-10"
#10	6'-4"		3'-8"
#11	7'-9"		4'-5"

\* LOCATION CATEGORY:

- A- Bars in horizontal layers in top of pour with 12" or more of concrete below them such as in: footings, pier caps, etc.
- B- All bars not in Category A spaced less than 6" apart.
- C- All bars not in Category A spaced 6" or more apart.

Note:

CASE NO.2 - For bars coated with epoxy not in Case No.1.

1. When development length is not specified on the Plans, the above dimensions shall be used.
2. These development lengths do not apply when bar is in lightweight concrete or any other strength of concrete.
3. These development lengths only apply where the General Notes indicate "Reinforcing Steel Design, fs= 24,000 p.s.i."

APPROVAL	
<i>L.S. Friedman</i>	DIRECTOR
OFFICE OF STRUCTURES	
DATE: 2/2/90	
REVISIONS	
SHA	FHWA
11-23-93	.
1-22-01	.
9-20-05	.
12-4-07	.

FHWA APPROVAL  
DATE:

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF STRUCTURES  
DEVELOPMENT LENGTH DIMENSIONS FOR  
GRADE 60 REINFORCING STEEL  
IN MIX NO.6 (4500 P.S.I.) CONCRETE  
EPOXY COATED REINFORCING CASE NO.2

STANDARD NO. M(6.16)-90-216

SHEET 3 OF 3